

Application No.: 09/776,385
Amendment dated February 17, 2004
Reply to Office action dated November 17, 2003

Docket No.: H0610.0026/P026

Amendments To The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) Solid oxide fuel cell with a planar support in form of a porous metal and/or metal alloy plate structure made from ferritic stainless steel, nickel-based alloys, and/or high chromium alloys, the plate structure in contact with and directly supporting on one planar surface a layer of anode active material and with internally elongated fuel gas supply channels formed inside the structure.
2. (Previously presented) Solid oxide fuel cell of claim 1, wherein a planar surface on an opposite side to the surface supporting the anode active material is provided with a dense layer of gas impermeable and electronic conductive material.
3. (Original) Solid oxide fuel cell of claim 2, wherein the dense layer is a ceramic and/or metallic layer.
4. (Previously presented) Solid oxide fuel cell of claim 1, wherein the anode layer is active in electrochemical anode reactions and wherein the layer is covered by a dense layer of electrolyte material.
- Claim 5 (Cancelled).
6. (Previously presented) Solid oxide fuel cell of claim 1, wherein the porous plate has a gas impermeable rim.
7. (Previously presented) Solid oxide fuel cell of claim 1, wherein the porous plate has a rim which supports a dense layer of electrolyte material.

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8. (Previously presented) Solid oxide fuel cell of claim 1, wherein the porous structure is impregnated with a catalyst.

9. (Currently amended) ~~Use of a solid~~ Solid oxide fuel cell of claim 1, ~~wherein in generation of power from~~ particulate matter containing gas is fed from the fuel gas supply channels for generation of power.

Claim 10 (Cancelled).

11. (Currently amended) Solid oxide fuel cell of claim 5 1, wherein a planar surface on an opposite side to the surface supporting the anode active material is provided with a dense layer of gas impermeable and electronic conductive material.

12. (Previously presented) Solid oxide fuel cell of claim 4, wherein the dense layer is a ceramic layer.

13. (Currently amended) Solid oxide fuel cell of claim 5 1, wherein the anode layer is active in electrochemical anode reactions and wherein the layer is covered by a further dense layer of electrolyte material.

14. (Previously presented) Solid oxide fuel cell of claim 6, wherein the porous plate is made from ferritic stainless steel, nickel-based alloys and/or high chromium alloys.

15. (Previously presented) Solid oxide fuel cell of claim 7, wherein the rim of the porous plate is gas impermeable.

16. (Previously presented) Solid oxide fuel cell of claim 8, wherein the porous plate has a rim which supports a dense layer of electrolyte material.

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17. (Previously presented) Solid oxide fuel cell of claim 2, wherein
the porous structure is impregnated with a catalyst.